

IN THE CLAIMS:

Please amend 37-39 as follows:

37. (Twice Amended) An isolated nucleic acid comprising a nucleotide sequence encoding an isolated non-cytosolic polypeptide of a *Neisseria* spp. (NGSP) polypeptide, which is a polypeptide of a *Neisseria* species with the proviso that said *Neisseria* species is not *N. meningitidis*, which polypeptide has a molecular weight of about 40 kD to about 55 kD as determined in SDS polyacrylamide gel electrophoresis using glutamic dehydrogenase, carbonic anhydrase and myoglobin-blue as molecular weight markers, and which polypeptide has about 36% sequence identity to Deg P protein of *E. coli* when % sequence identity is determined using a BLASTP program using FASTA format, expect 10 filter default, description 100.

38. (Thrice Amended) An isolated nucleic acid comprising the sequence of SEQ ID NO. 3.

39. (Twice Amended) An isolated nucleic acid encoding an NGSP polypeptide which comprises a nucleotide sequence that hybridizes at 68°C in 0.5M NaHPO₄ (pH 7.2) 1 mM EDTA/7% SDS or at 65°C in 6X SSC, 50 mM Tris-HCl (pH 7.5), 1 mM EDTA, 0.02% PVP, 0.02% Ficoll, 0.02% BSA or in 50% formamide/0.25 M NaHPO₄ (pH 7.2)/0.25 mM NaCl/1 mM EDTA/7% SDS to the sequence of SEQ ID NO. 3 or the complement thereof, wherein said complement is complementary to at least 25 contiguous nucleotides of SEQ ID NO. 3.

Please add new claims 54-55 as follows:

--54. (New) An isolated nucleic acid encoding a fragment of an NGSP

polypeptide, said fragment comprising at least 3 amino acids and having an antigenic epitope of the amino acid sequence of the polypeptide encoded by SEQ ID No: 3.